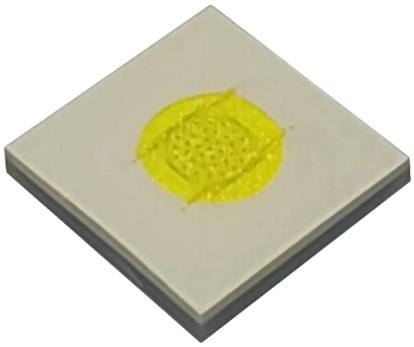
# Vertical-Chips • Planar Package
# 垂直芯片 • 平面封装
# Point LEDs for Automotives
# 车用点光源

Main Applications:
主要应用领域：

- ✓ high power head lighting for cars, motorcycles, trucks, trains, ships, planes, etc.
  高功率前照头灯照明，适用于汽车，摩托车，卡车，火车，船舰，飞机等
- ✓ directional projection and beam lighting with small angle for projection, light beam, dyeing, pattern, audience, business, hotel, museum, etc.
  小角度方向性投射类照明，适用于投射，光束，染色，图案，观众，商业，酒店，博物馆等
- ✓ wearable head lighting for civilians, soldier and policeman
  民用军用警用可穿戴头灯照明
- ✓ portable strong light and blinding lighting
  便携式强光与致盲照明
- ✓ flash lighting
  闪光照明
- ✓ medical and micro-instrument lighting
  医疗与显微器械照明

# S1241

Chip with circular light emitting surface

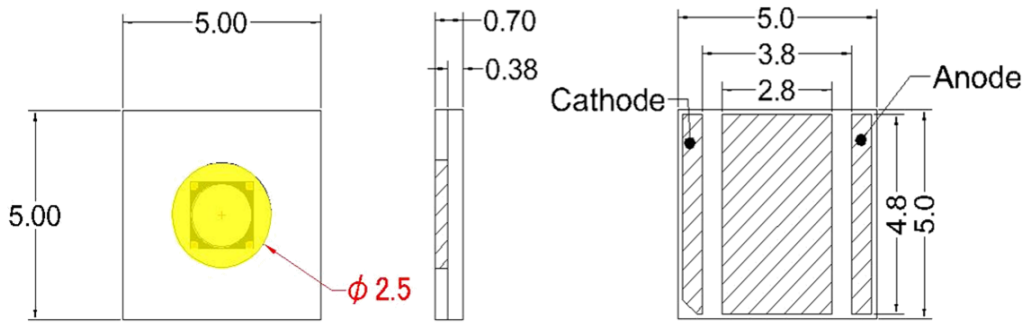


| Main Parameters | Typical Values |
|---|---|
| Voltage（V） | 3 |
| Current（mA） | 3225 |
| Max. Power（W） Note | 12.6 |
| LES（mm） | 2.5 |
| CCT（K）/ Ra | 6000-7000 |
| Color / Dominant Wavelength (nm) | N/A |
| Matched Cu Board | H003-2020 H013-1818 H041-1818 H063-3333 |

Note: The maximum power only for reference and related to the heat dissipation power of the radiator, the thermal resistance between the radiator and the light source and the ambient temperature.

## Main Features

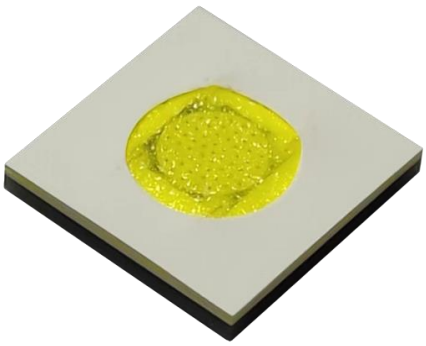
- Low Power Single Color Integrated Lighting Source;
- Planar Package Using AIN Ceramic Substrate for Low Heat Resistance;
- Vertical Chips Capable of Super-Driving Current for Highly Intensive Lighting;
- Other Power, LES, Color Combination, CCT and Ra Available on Request;
- Applicable to Directional Projection Lighting with High Brightness。




【 Data in table, photos & diagrams for reference only】

# S1179b

Chip with circular light emitting surface

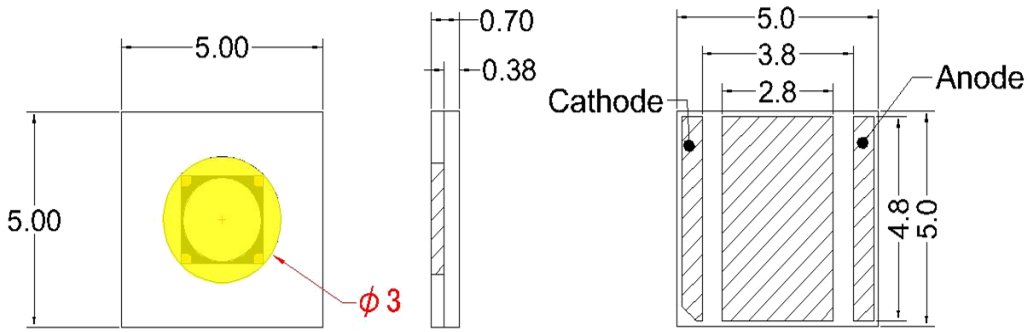


| Main Parameters | Typical Values |
|---|---|
| Voltage（V） | 3 |
| Current（mA） | 5225 |
| Max. Power（W） Note | 16.5 |
| LES（mm） | 3 |
| CCT（K）/ Ra | 6000-7000 |
| Color / Dominant Wavelength (nm) | N/A |
| Matched Cu Board | H003-2020 H013-1818 H041-1818 H063-3333 |

Note: The maximum power only for reference and related to the heat dissipation power of the radiator, the thermal resistance between the radiator and the light source and the ambient temperature.

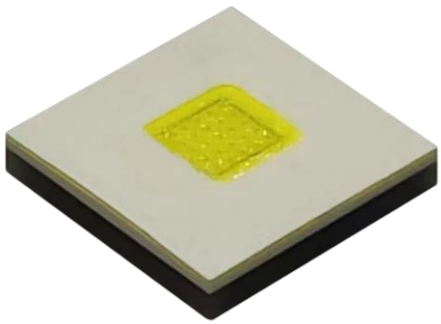
## Main Features

- Low Power Single Color Integrated Lighting Source;
- Planar Package Using AIN Ceramic Substrate for Low Heat Resistance;
- Vertical Chips Capable of Super-Driving Current for Highly Intensive Lighting;
- Other Power, LES, Color Combination, CCT and Ra Available on Request;
- Applicable to Directional Projection Lighting with High Brightness。




【 Data in table, photos & diagrams for reference only】

# S1105f

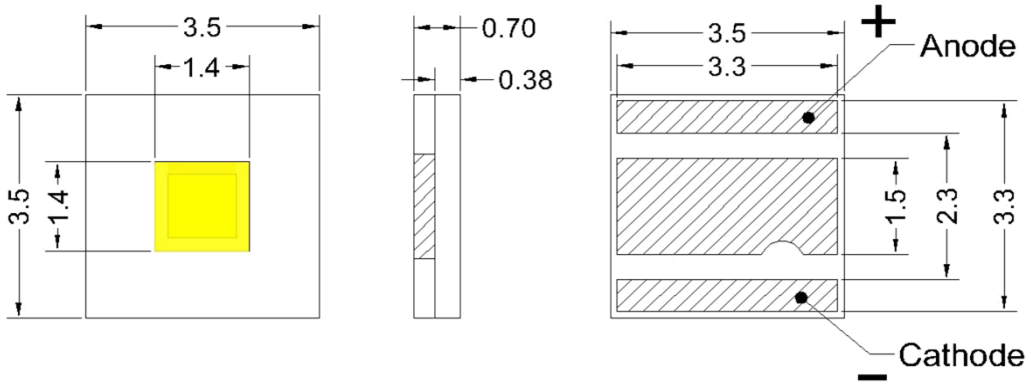


| Main Parameters | Typical Values |
|---|---|
| Voltage（V） | 3 |
| Current（mA） | 2075 |
| Max. Power（W） Note | 7.3 |
| LES（mm） | 1.4x1.4 |
| CCT（K）/ Ra | 6020-7040 |
| Color / Dominant Wavelength (nm) | N/A |
| Matched Cu Board | H001-2020 |

Note: The maximum power only for reference and related to the heat dissipation power of the radiator, the thermal resistance between the radiator and the light source and the ambient temperature.

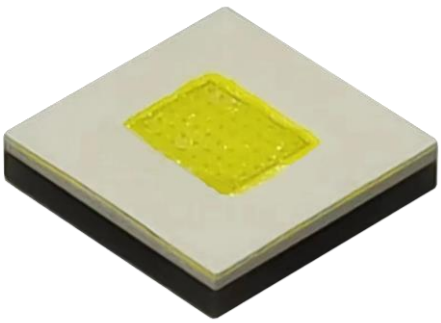
## Main Features

- Low Power Single Color Integrated Lighting Source;
- Planar Package Using AlN Ceramic Substrate for Low Heat Resistance;
- Vertical Chips Capable of Super-Driving Current for Highly Intensive Lighting;
- Other Power, LES, Color Combination, CCT and Ra Available on Request;
- Applicable to Directional Projection Lighting with High Brightness。




【 Data in table, photos & diagrams for reference only】

# S1047f

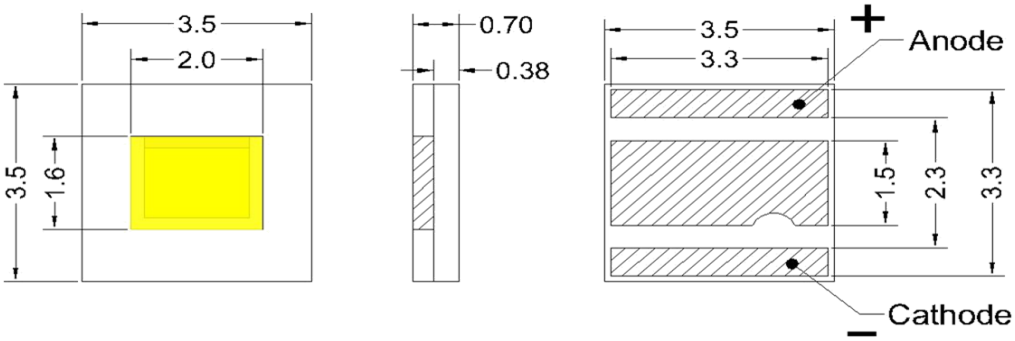


| Main Parameters | Typical Values |
|---|---|
| Voltage（V） | 3 |
| Current（mA） | 3950 |
| Max. Power（W） Note | 13.9 |
| LES（mm） | 1.6x2.0 |
| CCT（K）/ Ra | 6020-7040 |
| Color / Dominant Wavelength (nm) | N/A |
| Matched Cu Board | H003-2020 H013-1818 H041-1818 H063-3333 |

Note: The maximum power only for reference and related to the heat dissipation power of the radiator, the thermal resistance between the radiator and the light source and the ambient temperature.

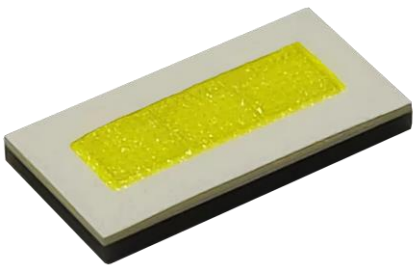
## Main Features

- Low Power Single Color Integrated Lighting Source;
- Planar Package Using AIN Ceramic Substrate for Low Heat Resistance;
- Vertical Chips Capable of Super-Driving Current for Highly Intensive Lighting;
- Other Power, LES, Color Combination, CCT and Ra Available on Request;
- Applicable to Directional Projection Lighting with High Brightness。




【 Data in table, photos & diagrams for reference only】

# S1063

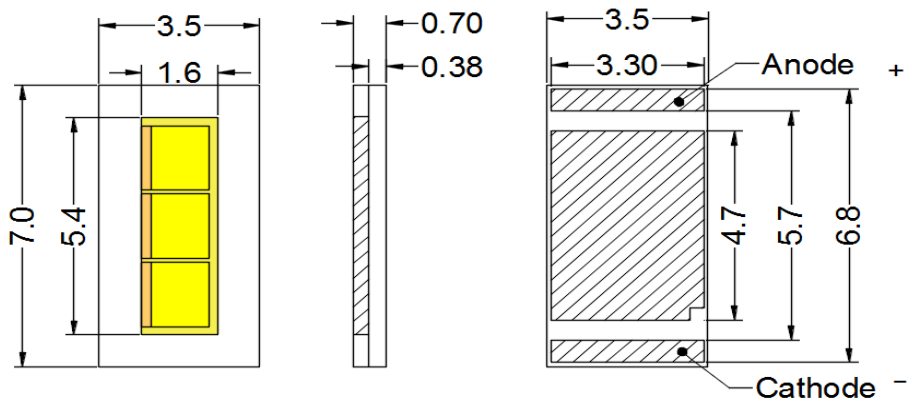


| Main Parameters | Typical Values |
|---|---|
| Voltage（V） | 9 |
| Current（mA） | 3150 |
| Max. Power（W） Note | 41.6 |
| LES（mm） | 1.65x5.4 |
| CCT（K）/ Ra | 6000-7000 |
| Color / Dominant Wavelength (nm) | N/A |
| Matched Cu Board | H002-2020, H027-2020, H045-2020 |

Note: The maximum power only for reference and related to the heat dissipation power of the radiator, the thermal resistance between the radiator and the light source and the ambient temperature.

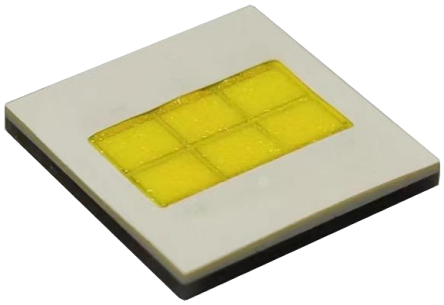
## Main Features

- Low Power Single Color Integrated Lighting Source;
- Planar Package Using AIN Ceramic Substrate for Low Heat Resistance;
- Vertical Chips Capable of Super-Driving Current for Highly Intensive Lighting;
- Other Power, LES, Color Combination, CCT and Ra Available on Request;
- Applicable to Directional Projection Lighting with High Brightness。




【 Data in table, photos & diagrams for reference only】

# S552

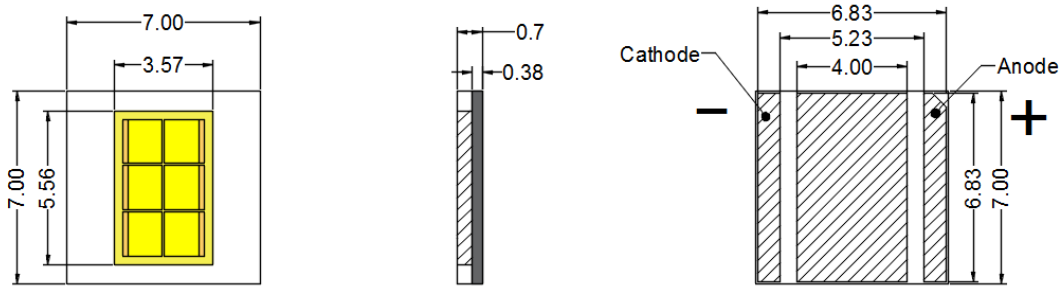


| Main Parameters | Typical Values |
|---|---|
| Voltage（V） | 18 |
| Current（mA） | 1500 |
| Max. Power（W） Note | 43 |
| LES（mm） | 3.5x5.5 |
| CCT（K）/ Ra | 6000-6500 |
| Color / Dominant Wavelength (nm) | N/A |
| Matched Cu Board | H004-2020，H010-2020，H015-1818，H018-2728，H030-1818 |

Note: The maximum power only for reference and related to the heat dissipation power of the radiator, the thermal resistance between the radiator and the light source and the ambient temperature.

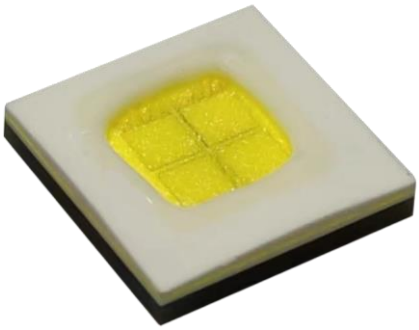
## Main Features

- Low Power Single Color Integrated Lighting Source；
- Planar Package Using AIN Ceramic Substrate for Low Heat Resistance；
- Vertical Chips Capable of Super-Driving Current for Highly Intensive Lighting；
- Other Power, LES, Color Combination, CCT and Ra Available on Request；
- Applicable to Directional Projection Lighting with High Brightness。




【 Data in table, photos & diagrams for reference only】

# S792

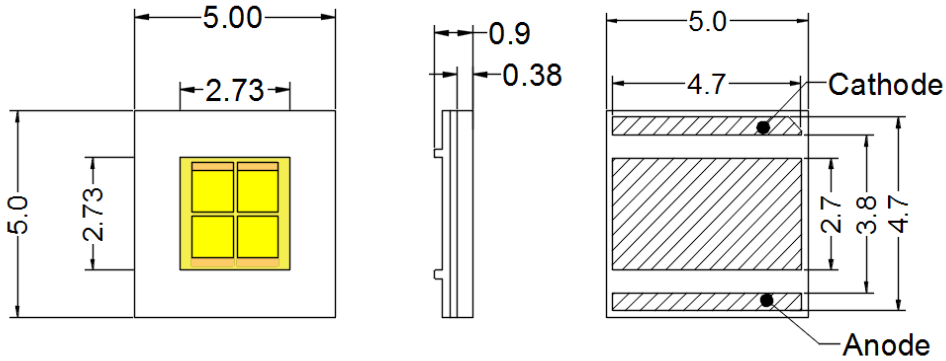


| Main Parameters | Typical Values |
|---|---|
| Voltage（V） | 12 |
| Current（mA） | 2000 |
| Max. Power（W） Note | 29.1 |
| LES（mm） | |
| CCT（K）/ Ra | 7040-9000 |
| Color / Dominant Wavelength (nm) | N/A |
| Matched Cu Board | H003-2020，H013-1818，H041-1818，H063-3333 |

Note: The maximum power only for reference and related to the heat dissipation power of the radiator, the thermal resistance between the radiator and the light source and the ambient temperature.

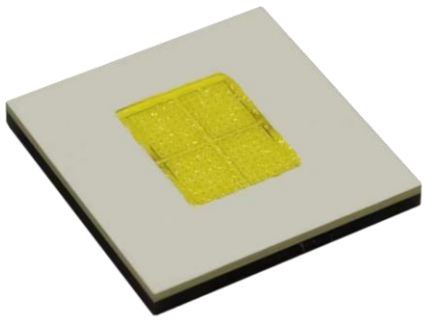
## Main Features

- Low Power Single Color Integrated Lighting Source；
- Planar Package Using AIN Ceramic Substrate for Low Heat Resistance；
- Vertical Chips Capable of Super-Driving Current for Highly Intensive Lighting；
- Other Power, LES, Color Combination, CCT and Ra Available on Request；
- Applicable to Directional Projection Lighting with High Brightness。




【 Data in table, photos & diagrams for reference only】

# S1070

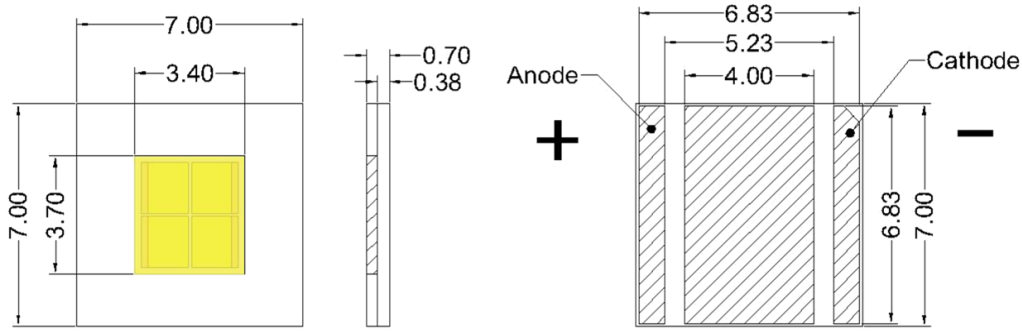


| Main Parameters | Typical Values |
|---|---|
| Voltage（V） | 12 |
| Current（mA） | 3950 |
| Max. Power（W） Note | 55.5 |
| LES（mm） | 3.4x3.7 |
| CCT（K）/ Ra | 7690-9000 |
| Color / Dominant Wavelength (nm) | N/A |
| Matched Cu Board | H004-2020 H010-2020 H015-1818 H018-2728 H030-1818 |

Note: The maximum power only for reference and related to the heat dissipation power of the radiator, the thermal resistance between the radiator and the light source and the ambient temperature.

## Main Features

- Middle Power Single Color Integrated Lighting Source;
- Planar Package Using AIN Ceramic Substrate for Low Heat Resistance;
- Vertical Chips Capable of Super-Driving Current for Highly Intensive Lighting;
- Other Power, LES, Color Combination, CCT and Ra Available on Request;
- Applicable to Directional Projection Lighting with High Brightness。




【 Data in table, photos & diagrams for reference only】